

WHAT IS CLAIMED IS:

1. An automatic currency processing system for processing bank note using a host computer and an automatic processing apparatus, said automatic processing apparatus comprising:

5 a bank note transfer route for transferring the bank note for processing;

a reading unit for obtaining various features of bank note being transferred;

a first communication unit for transferring the feature data obtained with said reading unit to the host computer;

a control unit for confirming the feature data based on the result transferred from said host computer;

wherein said host computer further comprising:

15 a validating unit for executing the discrimination process of banknote using the feature data transferred from said automatic processing apparatus; and

a second communication unit for transferring the discrimination result of said validating unit to said automatic processing apparatus.

20 2. An automatic currency processing system according to claim 1, wherein said communication unit executes the discrimination process for a plurality units of said automatic processing apparatus in one or a plurality of validation processing units of the host computer to return the result of discrimination to
25 each automatic processing apparatus depending on the

discrimination number added to the feature data.

3. An automatic currency processing system according to claim 1, wherein said automatic processing apparatus transmits the feature data of each bank note to said host computer.

4. An automatic currency processing system according to claim 1, wherein said host computer is a server of business branch.

5. An automatic currency processing system according to claim 1, wherein said host computer is the host computer installed in the management center.

6. An automatic currency processing system according to claim 1, wherein said sensor unit is an optical sensor.

7. An automatic currency processing system according to claim 6, wherein said feature data is the data of the optical beam reflected from or having passed said bank note.

8. An automatic currency processing system according to claim 1, wherein said sensor unit is a magnetic sensor.

9. An automatic currency processing system according to claim 1, wherein said sensor unit is an image sensor.

10. An automatic currency processing system according to claim 9, wherein said feature data is image data.

11. An automatic processing apparatus for making communication with the host computer in the automatic currency processing system, comprising:

a bank note transfer route for transferring the bank note

for the processing;

a reading unit for obtaining various features of bank note being transferred;

a communication unit for transferring the feature data obtained with said reading unit to the host computer and receiving the result of validation transferred from said host computer;
5 and

a control unit for confirming whether or not the feature data is correct, based on said result of validation.

12. An automatic processing apparatus according to claim 11, wherein said communication unit transmits said feature data to said host computer after giving the identification number of the own apparatus.

13. An automatic processing apparatus according to claim 11, wherein said automatic processing apparatus transmits the feature data of each bank note to said host computer.

14. An automatic processing apparatus according to claim 11, wherein said sensor unit is an optical sensor.

15. An automatic processing apparatus according to claim 14, wherein said feature data is the data of the optical beam reflected from or having passed said bank note.

16. An automatic processing apparatus according to claim 11, wherein said sensor is a magnetic sensor.

17. An automatic processing apparatus according to claim 11, wherein said sensor unit is an image sensor.

18. An automatic processing apparatus according to claim 17,

wherein said feature data is image data.

19. An automatic processing apparatus comprising:

a sensor unit provided with a scanner for obtaining image data for discrimination to validate bank note as the processing object;

an interface unit for making communication with a host computer; and

a control unit for instructing transmission, to said host computer, of the image data obtained with said sensor via said interface unit and executing the process using the result of validation received from said host computer.

20. An automatic processing apparatus according to claim 19, further comprising:

a deposit slot for depositing cash; wherein said sensor unit obtains image data of the bank note deposited from said deposit slot.

21. An automatic processing apparatus according to claim 19, wherein said sensor unit is provided with a magnetic sensor and said interface unit transmits the data obtained with said sensor unit to said host computer.

22. An automatic processing apparatus according to claim 19, wherein said sensor unit is provided with an optical sensor and said interface unit transmits the data obtained with said optical sensor to said host computer.

23. An automatic processing apparatus for making communication

with a host computer in an automatic currency processing system,
comprising:

a bank note transfer route for transferring the bank note
for the processing;

5 a reading unit for obtaining various features of the bank
note being transferred;

10 a communication unit for transferring the feature data
obtained with said reading unit to the host computer after giving
the identification number of the own apparatus and then receiving
the validation result transferred from said host computer; and

a control unit for confirming whether or not the feature
data is correct, based on said validation result.

24. An automatic processing apparatus for processing the cash,
comprising:

15 a deposit slot for receiving the cash;

a sensor unit for obtaining validation data for validating
the bank note deposited from said deposit slot;

an interface unit for making data communication with a
host computer; and

20 a control unit for instructing transmission, to said host
computer, of the validation data obtained with said sensor unit
via said interface unit and executing the process using the
validation result received from said host computer.